

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P950836

Luminaire Tested: **GLAN-SB5A-935-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-935-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16508 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

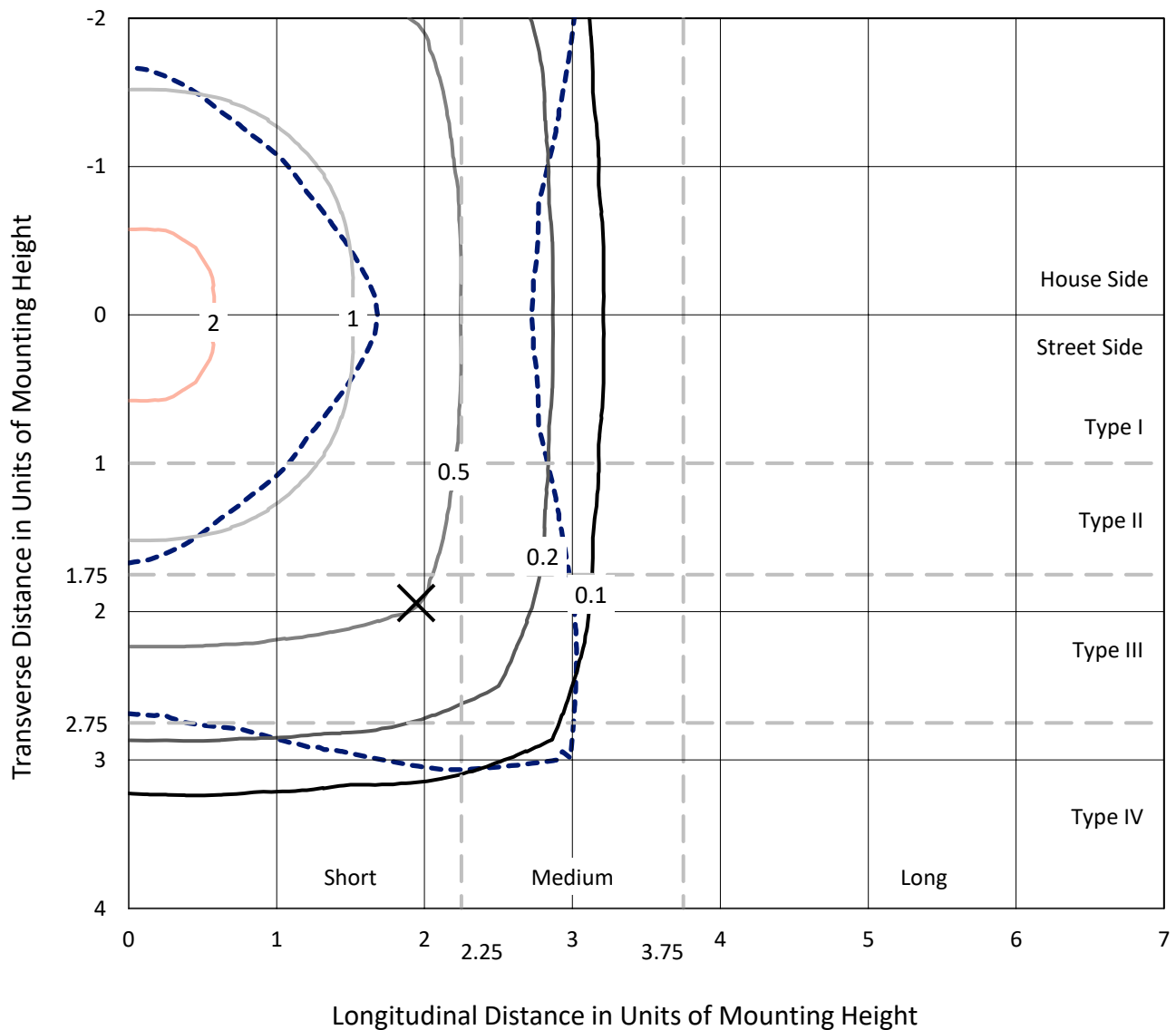


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## Iso-Footcandle Lines of Horizontal Illumination

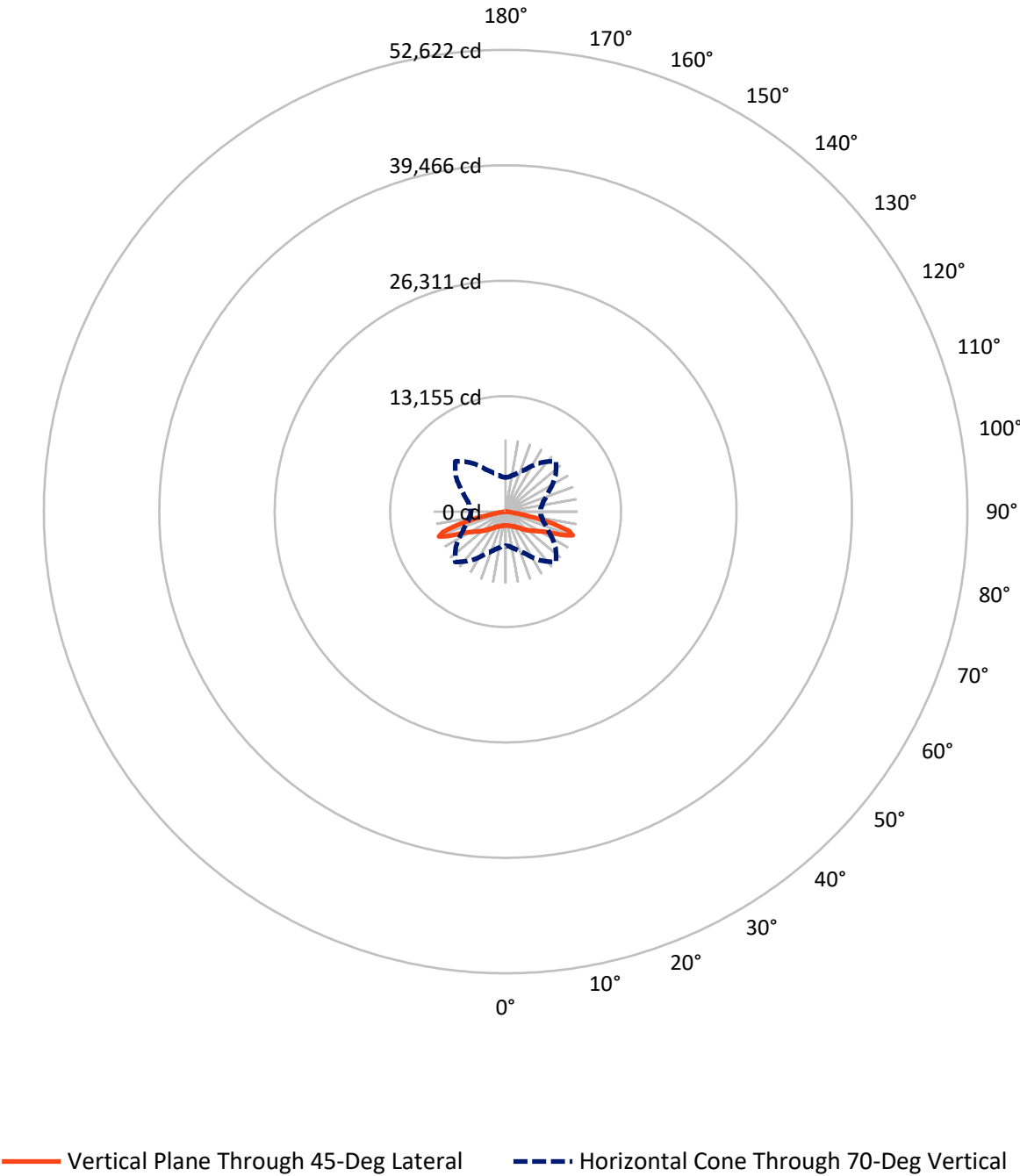
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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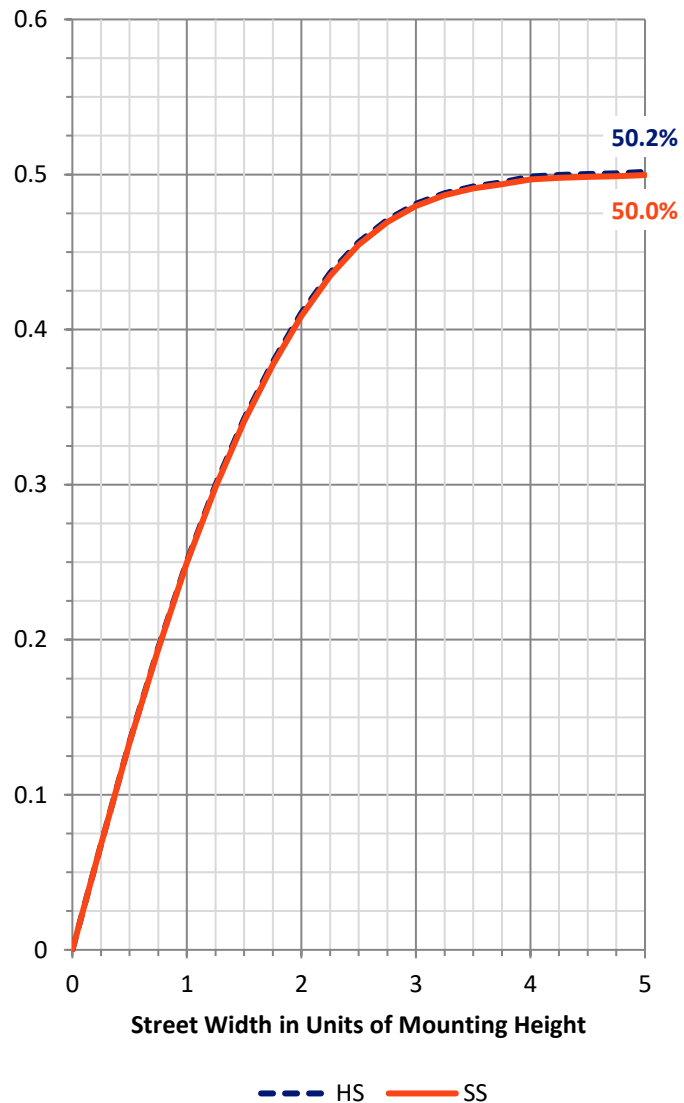
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8254.0   | 0.0    | 8254.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8254.0   | 0.0    | 8254.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16508.0  | 0.0    | 16508.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 153.6   | 0.9       |
| 10°-20°   | 476.4   | 2.9       |
| 20°-30°   | 851.3   | 5.2       |
| 30°-40°   | 1380.0  | 8.4       |
| 40°-50°   | 2247.8  | 13.6      |
| 50°-60°   | 3427.1  | 20.8      |
| 60°-70°   | 5098.4  | 30.9      |
| 70°-80°   | 2778.8  | 16.8      |
| 80°-90°   | 94.6    | 0.6       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 16508.0 | 100.0     |
| 0°-180°   | 16508.0 | 100.0     |

**Coefficient of Utilization**



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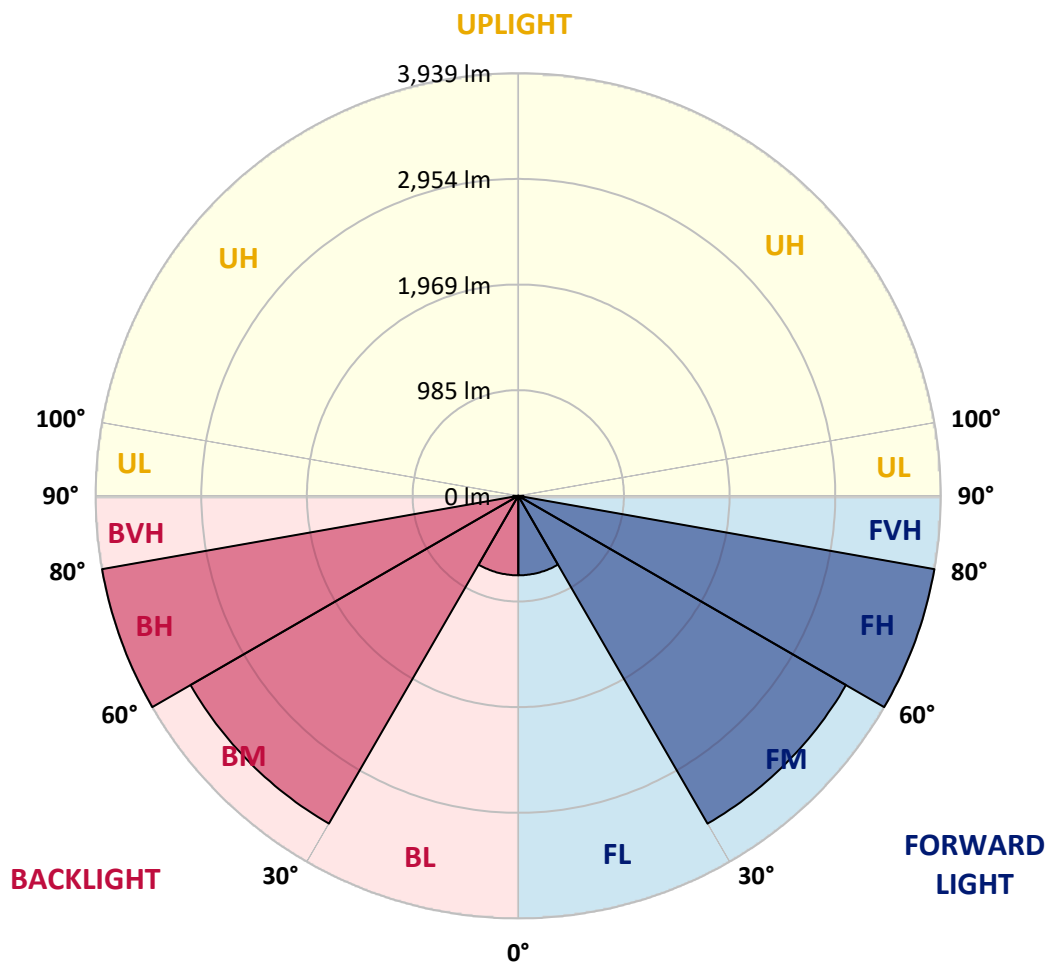
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 740.7  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 3527.4 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 3938.6 | 23.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 47.3   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 740.7  | 4.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3527.4 | 21.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3938.6 | 23.9      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 47.3   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1581.3 | 1581.3 | 1581.3 | 1581.3 | 1581.3 | 1581.3 | 1581.3 | 1581.3 | 1581.3 | 1581.3 |
| 2.5°  | 1588.8 | 1590.4 | 1587.1 | 1585.4 | 1583.8 | 1581.3 | 1582.1 | 1586.3 | 1589.6 | 1588.8 |
| 5°    | 1602.0 | 1603.7 | 1601.2 | 1600.4 | 1597.0 | 1596.2 | 1596.2 | 1600.4 | 1602.8 | 1601.2 |
| 7.5°  | 1616.9 | 1619.4 | 1615.3 | 1614.4 | 1612.8 | 1611.1 | 1610.3 | 1614.4 | 1616.9 | 1616.9 |
| 10°   | 1631.0 | 1633.5 | 1630.2 | 1627.7 | 1626.0 | 1626.0 | 1624.4 | 1627.7 | 1631.9 | 1631.0 |
| 12.5° | 1645.9 | 1647.6 | 1644.3 | 1642.6 | 1642.6 | 1645.1 | 1642.6 | 1644.3 | 1647.6 | 1645.9 |
| 15°   | 1664.2 | 1665.0 | 1664.2 | 1666.7 | 1670.8 | 1679.1 | 1671.6 | 1670.0 | 1671.6 | 1667.5 |
| 17.5° | 1689.0 | 1690.7 | 1694.0 | 1699.8 | 1705.6 | 1720.5 | 1707.3 | 1703.1 | 1703.1 | 1694.8 |
| 20°   | 1719.7 | 1722.2 | 1727.2 | 1737.1 | 1744.6 | 1758.7 | 1745.4 | 1739.6 | 1737.1 | 1726.3 |
| 22.5° | 1752.0 | 1756.2 | 1763.6 | 1776.9 | 1790.1 | 1803.4 | 1790.1 | 1780.2 | 1772.7 | 1758.7 |
| 25°   | 1789.3 | 1794.3 | 1805.9 | 1827.4 | 1845.7 | 1864.7 | 1849.0 | 1829.1 | 1814.2 | 1794.3 |
| 27.5° | 1842.4 | 1848.2 | 1862.2 | 1888.8 | 1912.0 | 1928.6 | 1913.6 | 1887.9 | 1867.2 | 1843.2 |
| 30°   | 1916.9 | 1922.7 | 1939.3 | 1967.5 | 1983.2 | 1994.0 | 1984.1 | 1964.2 | 1939.3 | 1912.0 |
| 32.5° | 2013.1 | 2020.5 | 2038.8 | 2065.3 | 2068.6 | 2070.3 | 2067.0 | 2057.0 | 2038.8 | 2005.6 |
| 35°   | 2134.9 | 2143.2 | 2163.9 | 2185.5 | 2182.2 | 2185.5 | 2180.5 | 2177.2 | 2163.9 | 2125.8 |
| 37.5° | 2284.1 | 2294.0 | 2315.6 | 2332.2 | 2323.9 | 2319.7 | 2320.6 | 2321.4 | 2313.9 | 2271.7 |
| 40°   | 2457.3 | 2470.6 | 2486.3 | 2503.7 | 2489.6 | 2477.2 | 2485.5 | 2492.1 | 2485.5 | 2442.4 |
| 42.5° | 2635.5 | 2654.6 | 2671.1 | 2696.0 | 2684.4 | 2668.6 | 2680.2 | 2687.7 | 2673.6 | 2627.2 |
| 45°   | 2833.6 | 2851.8 | 2873.3 | 2910.6 | 2902.4 | 2885.8 | 2902.4 | 2904.0 | 2880.0 | 2825.3 |
| 47.5° | 3038.3 | 3057.3 | 3089.7 | 3139.4 | 3136.1 | 3117.8 | 3139.4 | 3127.8 | 3097.1 | 3031.6 |
| 50°   | 3232.2 | 3258.7 | 3308.5 | 3378.1 | 3384.7 | 3362.3 | 3391.3 | 3369.0 | 3317.6 | 3235.5 |
| 52.5° | 3414.5 | 3442.7 | 3521.4 | 3615.9 | 3640.0 | 3611.0 | 3649.9 | 3611.0 | 3533.9 | 3428.6 |
| 55°   | 3606.0 | 3637.5 | 3731.1 | 3854.6 | 3902.7 | 3881.1 | 3917.6 | 3858.8 | 3749.4 | 3621.7 |
| 57.5° | 3831.4 | 3850.5 | 3962.4 | 4109.0 | 4190.3 | 4195.2 | 4211.8 | 4112.4 | 3979.8 | 3834.7 |
| 60°   | 4075.9 | 4102.4 | 4224.2 | 4399.9 | 4528.4 | 4569.8 | 4552.4 | 4404.9 | 4250.8 | 4084.2 |
| 62.5° | 4389.2 | 4418.2 | 4564.0 | 4774.6 | 4977.6 | 5080.4 | 5012.4 | 4798.6 | 4608.0 | 4408.2 |
| 65°   | 4648.6 | 4680.9 | 4944.4 | 5319.9 | 5689.5 | 5895.9 | 5725.2 | 5331.5 | 4988.4 | 4706.6 |
| 67.5° | 4460.4 | 4500.2 | 4913.8 | 5603.3 | 6522.4 | 7138.2 | 6553.9 | 5687.9 | 5015.7 | 4633.7 |
| 70°   | 3898.5 | 3935.8 | 4418.2 | 5261.0 | 6757.0 | 8106.2 | 6897.9 | 5416.0 | 4433.9 | 4006.3 |
| 72.5° | 2588.3 | 2708.4 | 3196.6 | 4207.7 | 6033.5 | 7501.2 | 6093.1 | 4122.3 | 2965.3 | 2582.5 |
| 75°   | 858.6  | 954.7  | 1287.9 | 2181.3 | 4041.1 | 5610.0 | 3847.2 | 1930.2 | 1020.2 | 734.3  |
| 77.5° | 216.3  | 249.5  | 343.9  | 624.1  | 1612.0 | 3194.1 | 1451.2 | 509.7  | 277.6  | 193.9  |
| 80°   | 105.3  | 116.0  | 165.8  | 208.0  | 403.6  | 1015.2 | 378.7  | 195.6  | 130.9  | 101.1  |
| 82.5° | 58.0   | 58.8   | 93.7   | 117.7  | 150.0  | 262.7  | 155.8  | 114.4  | 75.4   | 61.3   |
| 85°   | 35.6   | 34.8   | 49.7   | 63.0   | 63.0   | 93.7   | 74.6   | 63.0   | 43.1   | 38.1   |
| 87.5° | 14.1   | 14.1   | 18.2   | 19.9   | 17.4   | 24.0   | 19.1   | 20.7   | 16.6   | 15.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1581.3 |
| 1589.6 |
| 1602.0 |
| 1616.9 |
| 1631.0 |
| 1645.1 |
| 1667.5 |
| 1694.8 |
| 1726.3 |
| 1757.8 |
| 1793.5 |
| 1842.4 |
| 1912.0 |
| 2006.5 |
| 2125.8 |
| 2271.7 |
| 2442.4 |
| 2630.5 |
| 2831.1 |
| 3027.5 |
| 3233.9 |
| 3418.7 |
| 3604.3 |
| 3814.8 |
| 4057.7 |
| 4373.4 |
| 4660.2 |
| 4576.5 |
| 3949.1 |
| 2498.7 |
| 694.5  |
| 173.2  |
| 92.8   |
| 61.3   |
| 39.8   |
| 16.6   |
| 0.0    |